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## What is claimed is:

- 1. A drive housing for a disk drive having a storage disk having a storage surface, the drive housing comprising:
  - a housing shield positioned near the storage disk, the housing shield being sized, shaped and formed from material so that the housing shield has an attenuation of field of at least approximately 10 dB.
- 2. The drive housing of claim 1 wherein the housing shield includes a base shield portion and a cover shield portion that are positioned substantially parallel to the storage surface of the storage disk, and wherein the storage disk is positioned substantially between the cover shield portion and the base shield portion.
  - 3. The drive housing of claim 2 wherein the cover shield portion and the base shield portion are sized and shaped to shield the storage disk from an external magnetic field.
  - 4. The drive housing of claim 2 wherein the cover shield portion and the base shield portion are sized and shaped to shield the storage disk from an external magnetic field that is substantially perpendicular to the storage surface of the storage disk.
- 5. The drive housing of claim 2 wherein the storage disk is positioned entirely between a superimposition of the cover shield portion onto the base shield portion.
  - 6. The drive housing of claim 2 wherein the housing shield further includes a wall shield portion that secures the cover shield portion to the base shield portion.
  - 7. The drive housing of claim 6 wherein the wall shield portion is positioned substantially perpendicular to the storage surface of the storage disk.

8. The drive housing of claim 2 wherein the housing shield further includes a plurality of wall shield portions that are substantially perpendicular to the storage surface of the storage disk, and wherein the wall shield portions secure the cover shield portion to the base shield portion.

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9. The drive housing of claim 1 wherein the housing shield has an attenuation of field of at least approximately 25 dB.

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10. The drive housing of claim 1 wherein the housing shield has an attenuation of field of at least approximately 50 dB.

11. The drive housing of claim 1 wherein the housing shield is substantially formed from a nickel-iron alloy having a relative permeability of at least approximately 50,000.

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12. A disk drive including the drive housing of claim 1 and a storage disk.

13. The disk drive of claim 12 wherein the storage disk is a magnetic storage disk.

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14. The disk drive of claim 12 wherein the disk drive is a perpendicular recording drive.

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- 15. The drive housing of claim 1 wherein the housing shield comprises:
- a base shield portion that is sized and shaped to shield the storage disk from an external magnetic field, the base shield being positioned substantially parallel to the storage surface of the storage disk;

a cover shield portion that is sized and shaped to shield the storage disk from the external magnetic field, the cover shield being positioned substantially parallel to the storage surface of the storage disk;

a plurality of wall shield portions that are substantially perpendicular to the storage surface of the storage disk, and wherein the wall shield portions secure the cover shield portion to the base shield portion; and

wherein the housing shield has an attenuation of field of at least approximately 25 dB.

- 16. A drive housing for a disk drive, the disk drive including a magnetic storage disk having a disk surface, the drive housing comprising:
  - a housing shield positioned near the storage disk, the housing shield being formed from material having a relative permeability of at least approximately 50,000.
- 17. The drive housing of claim 16 wherein the housing shield has a thickness of at least approximately 0.30 millimeters.
- 18. The drive housing of claim 17 wherein the housing shield is substantially formed from material having a relative permeability of at least approximately 100,000.
  - 19. The drive housing of claim 16 wherein the housing shield further includes a base shield portion and a cover shield portion that are positioned substantially parallel to the disk surface of the magnetic storage disk, and wherein the cover shield portion is positioned so that the storage disk is substantially between the cover shield portion and the base shield portion.

20. The drive housing of claim 17 wherein the base shield portion and the cover shield portion are sized and shaped to shield the magnetic storage disk from an external magnetic field that is substantially perpendicular to the storage surface of the storage disk.

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21. The drive housing of claim 20 wherein the magnetic storage disk is positioned entirely between a superimposition of the cover shield portion onto the base shield portion.

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22. The drive housing of claim 20 wherein the housing shield further includes a wall shield portion that secures the cover shield portion to the base shield portion, wherein the wall shield portion is positioned substantially perpendicular to the storage surface of the storage disk.

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23. The drive housing of claim 17 wherein the housing shield is formed substantially from a nickel-iron alloy.

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24. The drive housing of claim 17 wherein the housing shield is sized, shaped and formed from material so that the housing shield has an attenuation of field of at least approximately 10 dB.

25. A disk drive for storing data, the disk drive comprising:

a storage disk including a storage surface; and

a drive housing that encircles the storage disk, the drive housing including a housing shield positioned near the storage disk, the housing shield having an attenuation of field of at least approximately 25 dB and including (i) a base shield portion that is positioned substantially parallel to the storage surface of the storage disk, (ii) a cover shield portion that are positioned substantially parallel to the storage surface of the storage disk, the storage disk being positioned substantially between the cover shield portion and the base shield portion, and (iii) a wall shield portion that secures the cover shield portion to the base shield portion, the wall shield portion being positioned substantially perpendicular to the storage surface of the storage disk; wherein each of the shield portions is formed from material having a relative permeability of at least approximately 50,000.

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26. The drive housing of claim 25 wherein the housing shield has an attenuation of field of at least approximately 50 dB and each of the shield portions is formed from material having a relative permeability of at least approximately 100,000.

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27. A method of shielding a magnetic storage disk from an external magnetic field, the magnetic storage disk having a storage surface, the method including the steps of:

providing a magnetic storage disk; and

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enclosing the storage disk in a drive housing, the drive housing including a housing shield with an attenuation of field of at least 10 dB.

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28. The method of claim 27 wherein the step of enclosing the storage disk includes providing the housing shield with (i) a base shield portion and a spaced-apart cover shield portion that are positioned substantially parallel to the storage surface of the storage disk, and (ii) a wall shield portion that connects the base shield portion to the cover shield portion; and wherein the storage disk is positioned substantially between the base shield portion and the cover shield portion.